Paper March 12 1824 No. S. H. Dean A Defortation Secale Cornutum William Armsteing Twine Denny sylvania

aring, the late years be few articles Enget: white from its use. destined to a presents the s although the q this Medicine your since, yes auna having ! countries whice Count , then, an american O Among the great variety of sun sometimes, which have of late years bear interduced into our Motion Mexicon that are few articles that demand one attention have then the Eagets whether we regard the coils or the beaufits making from its title of the heart of the security of the day which beaufits the material that suggest believe to design of that day which are form administrating the thought beautiful area form administrating the thought beautiful area form administrating the material on linguising, between heat term between many years stone, yet the practice has confirmed to a few formed stone when a few formed stone when the material from the translation of those constitutes which have affected by the Mexical stone of those constitutes which have affected by the Mexical stone its title becoment of them, but he present that it was surveyed for the all them, but he present that it was surveyed for the all them, that he introduce the significants of the stone surveyed for the day of them to the surveyed for the surveyed for the day of them, that he introduce the significant to interduce the significant to interduce the significant to the stone surveyed for the significant to interduce the significant to the s

practice are Erich The Ex occupies the place of the age. It has Mattichan by Mana of Scale length , of a cur Cook, cytomally whitish , brittle thing Similar 1 as to its formation offered, some of not enfund to the spices are affect Uge. There is also practice an ornicle which promises such beneficial consequences.

The Engst is an elongated exerufrence which occupies the place of the seed within the glume or hask of the age. It has received several different appellations, as Calcar, Clavus Secalinus, Secale luguirans, Muttakan by the Garmans, Spurred or housed tye by we nighth, and is known to Medical Auch under the Mana of Secale Countain. It is about an inch in lingth, of a curved form, resembling the spin of a Cook, externally of a dark brown colour, within whitish, brittle fractive, taste stightly bitter, some thing similar to the flavor of a hickory, mut. as to its formation a cornery of explanations have been offered, how of which are conclusive, that the descare is not confined to the type is well known, as grain of other species are affected by it, the not to that extent, as the Type. There is also our species of grafs; denominated

by the use claves. The mush come 6 among others with the deed terminated ; by the Boyal priore of Sol ity of descrive amenimeter For Pontensis, or menter your graft, which almost at times, in an expensioner suly difference, from the Erger in its star; which as I shall be confustion appeared or presenting, among the cattle in a disease sentence of first to that bring he en by the asset of the providing.

Me De Can delle places

the Eight in the gener behadieum, and kenns it showed claims. The properinty, of this averagement has been an here depeted to by brings who that the the wide much come, but a model meetification of the vie the framen, other showed here of opinion that it was preduced by known being like softenes to think femalty with the dust preducing a formativitien which femalty terminated in the Eight. M. Topin, who was appointed by the Aryal Scienty of modium in Pairs, it will the present of blogue in France, when he had ample opposition present of blogue in France, when he had a might opposite present of blogue in France, when he had a might opposite in the greath of the parties or which is the first ample opposition of blogue in France, when he had a might opposite in the greath of the parties of blogue in France, when he had a might opposite in the greath of their parties, considered mustly of the parties of blogue in France, when he had a might opposite in the parties of blogue in the parties of the parties of blogue in the parties of the

pot in the go In consequen the same spe grain, and f which he had agatication.

as the mence poid parties crains , thou of an insect perceptible, nowished in had observe glafs tumble and fenally changed the with spen of . Her thought h

tol its small spece

as the nested cause of the deseased grain. Fillet, who also poid particular attention to the formation of the assessed grains, thought that they were preduced by the prick of an insect - during, an examination of a parcel of Eigst, he discovered that they contained an insect; standy perceptible, which he thought had been hatched and nowished in that situation - the grains in which he had observed these insects he covered over with a glass tumbles; they remained in the Same place, entarged and finally, consumed must of the Ergot: four of them changes into Butterflus the legs wings were thickly count with spets of while, and of a dark benen colour (mun fance) + He thought he had perceived on the surface of a watering pot in the garden Butterflus of a Similar description. In consequence of this he supposed that they were of the same species; that they, had laid their eggs on the grain, and from this source had proceeded the Butter flig which he had obtained that by some change in their organization these grains had become Egot, and served

<sup>+</sup> of the small species of Bellevilly,

and into / d'www this majufo of not Capal I caret; be opinion usect, yet . that it may

as feed for these insects; that they had been metamosphe seed into Bettinflus, and that in their turn they would have become the cause of Eiget in weeking for the presented of their posterity Tillet alknowledges that he did not observe this to have been the case in all the grains he Examined, but attributes it to the death of the insect after the Eigst was forward. This statement is combonated by Read Military Surgeon to the Hospital at Metz toke whote a tractise on this subject in 1771 he thought that it was preduced by the prick of the Bitterfly whilst the grain was in a soft state, exciting a ferrior tation by the matter which it deposits, terminating in the Eight. Not having had an opportunity of observing, the progress of the rye to the Ergeton state. I am therefore not capable of deciding whether this opinion of Willes is cornet; although there is high degree of probability in the opinion of Tweet, that the Eiger is produced by an insect, yet I am nother inclined to believe with Tession that it may be attributed to marshy soil and abundant

much thick or

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in sides to a A would so 1" of a pale tasting like

Colouring mal cable to silk 5 " a begeto Me

abundant nains fellewed by a list sam that it is notcenfined to marshy sit I am well awar, but I consider
a continue invition followed by a hit sun as the street
prelated county and indust from an account which I
have laby son, it would appear that the sign coas
affected by the rays of the sun is a prentin ween
which blowwater, if correct, would go far in
conficiency the rays of the sun.

tunguelin. Visig, and other Chemist, has experimental in order to obtain the chemist constituents of the Eight number of presiments that it consists It of a pate colouring, mater, soluble in absolute and testing like fish cit.—2<sup>nd</sup> on city mater.—3<sup>nd</sup> a cidet colouring, mater, insclude in absolute.—3<sup>nd</sup> a cidet colouring, mater, insclude in absolute, mu constituently, phappeoise.—3<sup>nd</sup> a togete minusal mater present to putefaction, girlburg, much this cit and amusemin by distillation.

<sup>+</sup> It is that by a Mr Thether of Trahe' there to have down any of sun, after a hours of men of certain direction falling, on an ear of type loved sufficient to come the mentions of the Author, containing the pattern to breat like a peak.

much by the Ergs

It heorny ban was to be rufery. Ешере, тысе р France I have account of the from the Frence

and ganguenous. name of Comous of Sologne in In of this disease is of Marbourg in Eigh a large me distale Temaine who escaped de

have come with

It having bun assertained that to the use of the Signy teas to be suffered the cause of the sparsecritic and general forms diseases which have ranged several parties of Europe, more particularly the previous of selegare in France. I have thought propose to insert a succint-account of the disease; the situation and gene in which it appeared, Such as I have been able to prevent from the French author tracking on this subject, which have come within my coach.

ment by the Eget then are tem species; the proximate and gangarana. The fact of these has received the name of Comounts's counts by Surrows and consults of Sologon in Thomas. The continst account he have of this domain is in a paper protection by the family of Machiney, in Major, attributing it to the use of the Egyth a large number of these who Machines by this disease remained in a country the top and there were and the country of the

during the of those w affected by guen by . the feet, a the disorder head; the f ruguivad the to obucerne t as if they to their agony, a in their have flowed from thus affected unhealthy condition. They suffered men particularly during the mouths of Lang, and February; he low of there who died Love putafied. The cattle weeds affected by this disease.

an accurate description has been green by I A Serenk of the spasmodic desease as it prevailed in Wurten berg, in Bohomia. It commenced, say's he, by a disagreable somsation in the feet, a sout of tickling a pricking, The Stomach was soon affected by a violent cardialgia, from thence the dissider presented successively to the hands and head; the fingers wow so strongly denoted, that it required the efforts of the efforts of a strong man to overcome their contraction; the joints appeared as if they were luxated. The sick viva aloud in their agony, and complained of a burning sursate in their hands and fut; opious persperation flowed from all parts of their bedy. After being thus affected the head became giddy ....

The eyes were deowing tota They lost the ud others 12 mulines ling buqueutly to a some case feat speech i Saliva fl retiens to the miching, beer a their hands ollowed by a afficulty Sat

The eyes were covered by a thick mist, some of the such becoming totally blind or suring objects double. They lost their memories, tottered in walking as if Arunh; and were no longer masters of their intellectual faculties. Some of them became mad, some Metancholy and thus remained plunged in a como tore sleep. In addition to the above symptoms it was attended by Opisthotours, firthing, at the mouth of bloody Colour Sometimes tinged with green or yellow. The tought was frequently torn during the biolonce of these convulsion, in some cased this organ swelled in such a marmer that speech was totally prevented a large quantity of saliva flowing from the mouth a majority of those, who were affected with epileptic fils, fell victims to this desease. When the limbs, after the pricking, becarm Stiff with cola, they suffered lefs in their hands and feet. This iliad of wils was followed by a casine appetite, which was with difficulty Satisfied, very few had aversion for food.

on me case ( Souled a gellor pius. another : and several of soli in a hor as exception as a mained live, of repose, one Le knowledge a such all wh the son gaven by were affected no mode of to win dreadfull Dan before the 1 on persons , 1 Curse, until 1 of then spasms pious perspe

In me case a patient had sous on his neck which Secreted a yellow pus in the muchst of anadfull busing pains. another had spots on his feet resembling feeabiley, and several others had their faces covered by these spots in a howible mouner. The putse remained without an exception as in a state of health. This disease remained two, four, and even eight weeks, with interests of repose, our of 500 who were thus offected, within The knowledge of Serink, 300 Benshed considering as such all who were under 15 yrs. In another description given by I HBurghast it appears that they, were affected in moving a similar manner. No mode of treatment appeared capable of allevialing their dreadfull sufferings; a remession rearely taking stace before the third week. Sometimes continuing in Those persons, who suffered the disease to take ets course, until the Becoud mouth . If after an attack of these spasms, fever supervened, attended by copious persperation, the chance for a recovery,

1 as much gus and, were a she 1 1648, 49-75 An the year 1699 Was had been W. Elgot, were Jead, Continue Inibourg in 17 2 1716-17 il m d Lusace, Say the crops conte Couse was attri a to States that A sit. The his received the o Sologne made I walt who was i Lysicians of the tions smade quater. The limbs of those persons who died, some a street time before their death paralitic. In those, so-jo (beigeland) was afficient by this street, In the year logs in stoward parts of generally person who had been in the hatie of whongs, from in the head been in the hatie of whongs, from in the head, continued marked with congress from the free free toward attached with congress of The face. Dubburg in 1900 was occurred by a convention described from 1900 was social by a convention described from 1900 was social by a convention of human free proposance in secretal part of Luden, Lago, and Survey, according to Schming the cooper social was a fourth, accounting to Schming the cooper contained on fourth Diget, and to this case was attributed the parconding disconting the first the marshy districts suffered the most.

The Second Spicies as the gargaman, who has necessed the name November settling inch, fourgons of Alegan made its appearance in France in 1889. Rimble who was in Adoption was in found by the Nogericans of that distinct, that this distance was

Souch Reader at the tres, Jou cases to rical appi Termise to, potents fine Hu body-I appears on fourth & grun exper that this fee and finally 1025 little

Deduced by the Eiget. In 1794 Dodart was employed by the French Heading to investigate this subject. From his "opent it appears that he was satisfied that this disease originated from the use of bread containing the Spared rye. Orleans and Blaisilois were ravaged by this disorder in the year 1709. The gangreen commune at the toes, rising gradually to the top of the thigh; the gaugienous parts depended spoutemously, in some eases it was stopped by Searification and topical applications. When amputation was had recourse to, the gangue was not stopped, the patients finally and, the disease having, invaded the beau, - females, generally, were not affected. It appears that in 1709 the rye in belogne contained one fourth Engot, and that those who feel on this grain experienced a kind of integication, and that this feeling was often followed by Ganguene and finally that in these districts where there was little Erget, they were not so affected.

The gangaene Juad rapid it caused the tat of the of At, and su when this ac And commen is those of The o this disease Lat this disce qualterded by An becoming to the appearas I also; the wa of the view f. Quiblity, me oup states pai · Mistrice de l'a and Endita

During the excepsion cold of 1709 it made its appearance in the canton of Luxerne, in these of Quich and Berne in 1715-16. a description of this disease has been given by, Langins . He states that this disorder Commenced with queat lassitude, unattended by the stightest degree of fever; the extremities Som becoming cold; then pale and wrinkled, similar to the appearance they have after a in mersion in hot water; the wrenkles were so large as to prevent the traces of the being from being perceived. Mumb, deprived of all swiblity, surving, with difficulty, experiencing acute dap states pain, which was increased by the heat of the

<sup>\*</sup> Oscistoire de l'academie de science for 1770 + acta Emaita for 1718.

dember, si the policut to ban extended the ste, and heils became thu was for affected one or perts of the expling, in of the disorde Sur, Succes on the head di furbed and posticularly e Dourseous. quantity of Es much, having he a, to which The separations who

chamber, or that of the bea; and only intermitted when the patient was exposed to a cold searchy supportable; the bain extended by degrees from the inforces the foot to the things, and from the hands to the arms, until those barts became dry and sphaceloted. In several unstatues then was found in the gloves of these who were thus affected one or two of the digital phalanges. The other parts of the body remained in a healthy, condition excepting, in those persons, who, at the commencement of the disorder, were affected by a slight degree of four, succeeded by copious sweats which extended from the head a to the pit of the Stomach; sleeps disturbed and troubled with frightfull dreams; mon particularly when they had made use of hot provisions. If they had only partaken of a small quantity of Erest in their food, they were not affected much; having only a heavy a numb sensation in the head, to which succeeded a kind of interication. Then person who had partaken of bread hot from

as a separated in the Hotel De humhagy s + of beloans gives that of a boy and of another of brile side; o thet amputation diades, as our 5 scaped. Sal p ple were Sto the white of the when large The even, new surve expectably subject to this last symptom. In 1974 this survey command in Sologon and was very, fath, the lunds of the patients became garageneous and separated from their Authoritations. Some prolimes in the FAGE Dim box both the superior and inferior cylimbos and as the left week such such attituded by butterakey, during and as the left week such such attituded by butterakey, during a survey of survey and as the left of the survey and a survey of the survey of t

Interne gives an account of the gangueness describe which prevented in 1974 among other cases he states that of a boy, of the years who live both his thingher, and of another who lest our thingh and the leg of the approximation on the first his thingher, and of another who lest our thing was both dead. It approximates into an putation rather accelerated than of scholar the same of 25 who were operated on only ha of except our stem observed that this importants proper our stem of school than the superturnate that the our stem of the case that the well and the white of the cyst protecularity; their stem and the white of the cyst protecularity; their stem our was true to the head large, and then, that they became consisted

Jim evacuati bund, but U Marshaa suf tad a good o by small au ofsels appea a vin the blo and that is ! of Meta and sems to have & acute pains exaltended by I the course and feet were 1 o cola, which of any warmth; when vesides a the tres that me

Their evacuations were regular, the alvine exerctions bound, but that two or three weeks before death, dienshaa supervened, attended with colie; that they had a good appoint and slept well - The pulse very small and scarcely perceptible, although the befores appeared large and swelled - on opening a view the blood appeared very thick and willled out. I shall notice but one other writer on this disorder and that is Read Military surgeon to the Hospital at Meta, and on whom observations great reliance seems to have been placed. He states that it commended by acute pains in the extremities, with little swellings unattended by inflamation, but not without fever In the course of 15 days the pain coased. The hands and feet were sumb, accompanied by a great degree of cold, which could not be overcome by the application of any warmth; this state continued for about 30 days when vesicles arose, some followed by gangrene of the toes that made rapid progress from the feet

to the thinghes . the limbs de as ount diffe te paratine Us accorder · umerous n in to show the disease a perimenters Jo on expense Il & have obser d on the time, uniform may of the . the human sy 6ces 00 corable of proc Gamentier, an to ment of these of the or the state of the same to be some opposited

to the thighs, which became spharelated, after this the limbs dropt from their de their articulations. This account differs from that of Langius, as regards the temparature of the extremities. It is curious that this assorder should present such opposite symptomy Numerous experiments have been undertaken in sider to show the agency of the Ergot in producing the disease we have just described; amongst the experimenters were Salerne, Telsier, and Read, on the whose experiments the queatest reliance may be placed They have observed that Pigs, Turkies, Ducks and Chickens, fed on the spurred rye, for a certain length of time, uniformly became garguenous, and presented many of the symptoms, which had been observed in the human system, from the same cause . +

There have

however bun some persons who dong that the Eggs is capable of producing disease. amongst whom are Schlyd Parmenties, and more particularly. Manth, a

the detail of these experiments wented except to much speak nore they misoched, suffice it to say that the greatest retense may be preced on their necessary. They have been repeated in this country, with proceedy the same constit.

a lagian ap ex eriments emputily n his often b believe that I think it port of his Charley that for that len the system, the article. to eight a the purpos with their fo pr dimenaries fouth subje the fore in floor and

a Rufsian apothecary, who instituded a series of experiments which he considered as having completely negatived this supposition. as his opinion has often been quater by those persons who do not belowe that the Eigs posseses deleterious qualities, I think it will be well to give a translation of part of his paper, which will show, as I think, clearly that these experiments were not prosecuted for that length of time which is necessary to put the system under the complete influence of this article. This experiments were only continued for eight days, a time certainly too short for that purpose. He first experimented on a pigeou, a chicken and a dog, muying the Ergst with their food. He then states that these preliminaries emboldered him to become the fourth subject of experiment. I determined theafore in order to become accognainted with the placer and the effect that the Eight, would

faring due the feest tis bu this s Martly bis in tation is syriptoms o my sleep wo seg sien, and al ho' my p cry ged the I Sould be of the Ergot: do they make afte it has mare into bu the aming qualities are grain cament

have on me, to take half a drachm every money fasting during eight days. on chewing, is for the first time I thought that it was avid, but this soon defsapeared, leaving, only a slightly bitter and nutty taste. I felt no irritation in the throat nor any other of the symptoms which Ergot has been said to produce my sleep was tranquil during the whole of this regimen, and I have not the least head ache. altho' my pigeon, chicken, any and myself enjoyed the best health, it was necessary that I should be fully, assured as to the affect of the Eigst under what form said I to myself do they make use of this article? it is only after it has been converted into flow and made into brad. It is possible (I continued) that awing fermentation, all these mischevious qualities are developed; since Eigh in a state of grain cannot produce any bad effect as my

m experien me. I there and obtaine as ounce sollied to inconvenience corne, but go Ils bread with great no ou of the The next day description, be we the saw haring occur receasing at net double its in order to A

my exposience during eight days had convinced me. I therefore reduced the Eight into a powder, and obtained a flour of a brown colour; I myen an ounce of it with Macen and meal composed of the sound tye. I made a cake of it which I suffered to become cool, in order to obviate the inconveniences of hos bread. It was of a bad colour, but good smell, and sugnely, bitter taste This bread was distributed to my, pensioners with great economy according to their species not one of them were in the least affected by, it. The next day I prepared a cake of the same description, but in which I doubled the proportion of Ergot. It was equally distributed and cal with the same pleasure, without the least accorded having, occured from it. I had yet four owness. rumaining at my dis posal, I resolved to put it into double its weight of cake composed of rige, in order to see whether the arimals I accustomed

to be use of ship any re be Mibuled constantly the barrioung as o returned mor ishment perwing any and buy gay; bus health, a des auction. I internal Strug of being coul the Figst dem dec de - I thee dil sul perceive an gangranou Morach or inte eas them engot to the use of the Eggs, should in this own combination than any repugnance or any change which could be attributed to its use. This situation appeared constantly the same. I also ale of this bread without secretary, anything particular.

"I network may animals after this to their accustoment mentishment and visited them constantly without perceiving anything, out of the way. They appeared for and very gay, may solisfaction at during them caying the best halth, man soon distincted with the ection of their establishmen. I confift that it was not another an internal Transfer that I exposed myself to the remove of being count towards them; but the adversaries of the Figure and towards them; but the adversaries of the Figure and towards them; but the adversaries of the Figure and the formal of the private of them or the silver of the country of events and clicken. I then for hilled may piguou and clicken. I die mit previous the points of the bodies of their cretims any ganganeous spel, a vertige of events without in the times. I determined not without pour to the times of determined and without pour to the them.

and I declare inemoded by, fas to my box very strongs ) equal to good of cararise from anfidence. 9 or ps, it neve au undetermin eah head of asything for cary with the experience has be get of hirson effects which h lord to the ch + se a co servationes,

and I declare neither one or the other were in the least incomoded by, so doing, I also add that my timbs held fast to my, bedy, and finally that they, are sound and very strong I am far from supporting that the Erget is equal to good grain; but I have shown that no best offerts can arise from its use; as has been advanced with somuch confedence. However abundant the Ergot may bein our eneps, it never is in as large a proportion as that used in my, experiments. Altho' the number of these grains, an undetermined we navely find more than 4 015 in each head of tye." I do not think it necessary to add anything further on this subject. Model's cy perimentit carry with them the evidence of their inaccuracy, experience has taught us that a greater length of time brought of thouse is necessary, to produce those injurious effects which have been, with quat probability, laid to the charge of the Engot.

We have before tion that of e usequences si theat we has of a family to I hich they he Arving been a Stubled that abagedit I'm produced to las prevailed i ales, more par Sate of Mew y Billished By G Seulyne That provided in the & twee this dis to his occurse in to be for + white in the Fire of the diseases with which the calle of the country have been effected there is one supposed where here produced by the Alget of Spean graph. The compraint has prevailed in Secret parts of the theorem in united States, once particularly, the math wirthen parts of the States, once particularly, the math wirthen parts of the states of the part of the mathematical secrety of the states which provailed in the year 1820 or The great resumblance between this discover and that Gangieus of Sologen or

<sup>19</sup>ths account is to be found, in the Phitosophical Franchetery, and the annual topolic for 1966.

4 Roberthal in the Plough boys of New york.

is one rumas effect of the extent; I will be extracts for full symptoms Il feet ( Alos Steaping with the days before at be mouth, i of the foots see fuguently the stage, if the leg Hody serum. the disease is di two weeks, when floth, in about it noted parts. mes frequently

is very remarkable, and as this resemblance is of importance, as additional evidence of the deleterious effects of the spewered rge, when used to a certain extent; I will take the liberty of making use of a few extracts from this paper. Do draul, "tates that the fust symptoms which were obsessed was a lamous se in the foot ( M. Hich noticed that his cattle hept a continual Stamping with their hind feet in the morning, two or then days before he discovered any lamenofs) slavering at the mouth, in some instances bounting insensiting of the foot swelling above the hoof in the hind legs; frequently the fore feet were not atall affected. In this stage, if the leg was punctured, their if sued out a bloody serum. mortification commences almost as soon as the disease is discovered and runs up the legs in about two weeks, when it forms a seperation from the living flesh, in about two weeks more the legs fell off at the depended parts - sometimes at the pastern fourt, but more frequently above it; the skin was of the mortified

app manee of the deprised and 3) exertions continue Has Ho of thise be so in this acc with the descrip garanem of Solo the ranguemous app aranec - ago by la Eigel; the who cause to re have sufficient to while abounded produces the Eigh. to curide is the and whay made then cattle whom

modified part, soon becomes hard and any, and has the appearance of what is anominated my gaugeme. This appetite for food continued good; the countenance depressed and Thrunken in the head, their natural exerctions continued regular; they, he down and as if Musible of their situation make no attempt to rise" be see in this account many symptoms that conneide with the descriptions that have been given of the gangreen of Sologne . The insensibility of the feet, the ganguenous condition of the limbs - the general appearance - agree so well with the effects produced by the Eight; that we cannot for a moment doubt, what cause to rufe it to, more particularly when we have sufficients that these cattle were fed on grufs which abounded in Eight of that species of grafs which produces the Eight then are three; The one we are about to consider is the Pon Ralensis or mendow spear graft, and on hay made of this species of grafs were fed those cattle whom disorder has been described above.

Discourse ?

D aust Aucutio of Eight that ye with the cause co sincing to su were the disself all of which ha ME Reeve Post to a of this he to s extertained of her cows took us this hay M hay from Me Res hi cattle. Mr. 1 to sudes from the he sent 14 of his hay and which the 5 took the de an yarded with case occased in F

De aunt mentions that this grafs contained a vast quantity of Eight that year he then you on to say, The facts on which the cause of this clisease rest, were strong and combineing to sum of those in the district of the country where the disorder prevailed. Mr Elika Stawson lost 24 cause all of which had been forward on this kind of hay; Mr & Reeve lost 14 and what is rumarkable he sold a load of this hay to willow Cox before the least suspicion was entertained as to its possinous qualities and three of her cows took the disease len days after she began to use this hay Mr & Little procured some of the same hay from M Reeve, which produced the same effect on his cattle. M. Mose Philips had a meadow of this grafs two suches from this village which he cut before horvest, he sent 14 of his cattle there to be foreered with this hay and which was full of Eight; the consequence was that 5 took the disorder and altho they were taken home and yarded with the other cattle no others took. Some cases occured in Floreda (ry) Barticularly amongst the

the hand spear il a having be heep il until begon to the ha Reed that Mr : sau kind of h resuls; having los of their legs. into can be trace au sofficient in m prosessed by the and s analogous The human sy the cattle of Phones Tomphins, he had out two stacks of the come pear graft on the 5th of July, law, ancecaning it as having been deceased in good order he newtoned to here it antil chaining, the latter past of the trinkey he began little; hay, about the wind strack and four of the bound he will be some fish hay, about the wind strack and four of the bost cours both the disconten some after The same effect both place with regard to Ebenese Thomsils cover. Thus heave that Mr Lafestry, of Blooming grove, used the same kind of hay, and with the same cuspornally. Results, having 10 or 12 calle rendered used by the loft of the gas intend of the vases of have inguished on to take the take at the same have no pure

The above extracts

are sufficient in my mind, to show that this science was persured by the calle feeding on hay containing Legarand as analogous proof of the base effects of the trye Egen on the human system.

Thaving cons resulted from the beneficial in accelerating 1774, that Mai admisers trieng in linguing lab in since, besthe, or Temedy But it fell into awase, Proclitioners.

Having Considered the wil consequences which have resulted from a continued use of the spursed rige; we will return to a more pleasant task, that of recordings the beneficial effects attending on its use as a medicine. The entest account I have met with of its emproyment in accelerating lingering labours, sin the Dictionaire of Stistoire Maturelle, by Bomare, In which work he states that, he have read in the Townal at Physique for august-1994, that Ma Dupille of Chaumont in begin, whose principal orcupation, seems to have been the succes of the sick who were in want of releif, that she was in the habit of administering to funded (according to the nuclions of his motion) in linguing labour, a thimblysnof Ergst wisolved either in time, broth, or water. when the chita presented well, labour was accomplished in a half an hour; and mass these women were not injured by the use of such a Remedy: But it would appear that this practice either fell into assure, or never was motived by regular

to have conti his had take walefs it wo return of the In the other ho

at the same allonated the the constant un of the El prevalence o in all stages abortion; y females havi

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or that it never was noticed by regular practitioners. at the same time it is curious that it should not have attracted the notice of those Physicians, who were in the constant habit of seeing persons asseased from the use of the elgot. For when we consider the wide prevalence of this disorder, and that females must in all stages of pregnancy have partcher of a sufficient quantity of Eight to have produced + abortion; get we so not find any such effects having taken place. The only account I have met with of females having been affected in a peculiar manner is in a description given by I HBurghand, of Convulsio Cenalis in Silesia. In which it is stated to have continued much longer in females, and was extremely violent about the menstrual effort, after this had taken place they did not complain much, unless it was of great prostration, until the return of the menses ashered in new sufferings. On the other hand it is stated by Moet that females

men, all u liable , degree the our not generally affected by the day gaugasene which theregan Others and Baissite's on 1793. Here to cypteen this expertee of an unite guestiest. To Doctor Stearnes of Arm you far as more guesties the Eight of having interduced into regular practice the Eight of Faving interduced into regular practice the Eight of Faving in language of the owner; and autocastage, a best fain to preduce in the learness of shill full than, all the good offices which could have been expected by its warness friends.

but said by D' Strans and the practitions, as to the proper cases, and sends of exhibition in lawous, then I didn't appeting in this proper cases, and sends of exhibition in the word, that I didn't appeting in the sends of the

I would not

medicine has been tried in americochaa, but not with the success that might have been expected From the action of Eiger which is prompt; not continuing for more than a few minutes, it would seem to be only applicable to those cases, he pt up by the formation of the Musicana decidua - and indeed, doctor Chapman mentions two cases in which this article was found unfull in expelling the mumbrane. That a rotal suppression of the menses may originate from this cause, is, I think, buy certain, and to such case would I consider the Ago! as peculiarly suited I write not only use it as a mechanical remedy, exciting the utured to detach and throw off the membrane; but also from the writation increasing the flow of blook to those parts; and by the !-Stimulus inducing the uterus to exert its proper Secretary action. I am indebted to De Richard Porall of this place, for the detail of the following case which shows in a clear point of view, the superiority

might be that the matia / this to be. this me a of this medicus in those cases, to which I have considered it as peculiarly, applicable.

JB. a young gul of about nine time years of age, by rade a millines, had been labouring under a suppressed continuence for more than several mouths, when she applied to me for relief after ascertaining the symptoms which marked her case, and the remedies that had been unsuccessions, employed by the physician who had attended her, I was persuaded that the cause of her disorder, might be referred to the membrane decidua; and that the only hope of affording her permanent taleif, was in reflecting the expulsion of that matia production. I recollected having read many years ago, in the Eductic Reportory, a very interesting paper by Dr Chapmen on the powers of the Tolygala Senega in such cases as I approhimens this to be. I there fore determined to make a trial of this medicine. I directed it to be prepared and

Amenistand administered. Cite, and le 1. Lunga, the Eigsti promoting 1 luguing to believe the and adminis queted Dij water and us to take very hour 1

administend, as prescribed by Profess Co. in the Several cases, which came under his care: But often preserving in its use for several weeks, again laging it aside, I could discover no decided improvement is the patient. as almost all remedies belonging to the class of emenagogues, had been fully administered to this gut before the come under my care, and being discouraged from a further use of the Lenga, I next determined to make a trial of the Eigst - The decision efficacy of this medicine in promoting, the speedy expulsion of the forthes in lingsing labour, gave it a strong recommendation to my notice, in those cases where we had reason to believe the memberone exists. My moder proparing and administring the Eigst was as follows - I directed Dig of the powder to be put in half a pint of water and boiled away "sour fourth. The patient? lows to take the third of the decection thus prepared, every hour until strong point commenced in the

in the retires: Il diene for proceed in to intransees to tinued to Si ce this par wide quantity s cannot duct Men extended

in the uterus: then suspending a further use of the medicine for eight or ten hours; when the same mode of preceding, was to be remind. This practice was persevered in for time or three days in succession, when I received the gratifying intelligence from my, policut that she had discharged a substance of a Membernous notice, of the size, as the said, of a dollar I regret that this substance was not preserved and submitted to my inspection. I have no acutt however of its being that genium adventitions musubiane amounistated membrana Recidua. The menstrual flux immediatly followed its exputsion, and continued to flow for the days. It is now say months Since this patient was under my care; she continues to menstructe regularly at the usual intervals - The whole quantity of Engel didocrared not exceed Bij." I cannot dut believe that the Eight would on a mon extended trial be found unfull in those cases of amendehan not kept up by the membrano decidua;

april a lan parts, in a upma peru by an enfe - endy a lan the ton this is reased, as to es place. the followin de universe é owing to an king importer the volume of

Ta I am of opinion that many cases depend as much upon a languist circulation, in the uterine negion, and by an atonic state of the uterus, induced by the above of the stimulus, blood, which is determined to these parts, in a state of health, at peristical intervals, as upon a perverted action of the uterus itself. For we Lee anany cases of amenorhaa are attended by an enfected state of the system, and conseque ently, a languid circulation. That when Touces are given to restone it to a state of former strength, that on this every taking, place, the circulation is increased, and that frequently the moustrual discharge takes place. I would endravour to explain it in the following manner - That the blood not being determined in a sufficient quantity to those parts, owing to an enfeetled state of the circulation, the leterus falls into an atonic state - that on town being imported to the system, the circulation and the volume of the blood is increased, and that

a at many codes of ourselean are a best effects to cases. as palse, in to other par

that from the present stimulus of the blood, tone is imparted to the utions enabling it to perform its proper function when the periodical determination of blood to these parts that we see, many cases of amenorhaa in which there is an increased circulation, and that in this case these containing must be Sufficient stemulus of blood present to bring about the proper secretion. I would answer that in this case thin is an over Stimulus applied, disabling the Utions from exerting its proper secretary power. The stimulus being to great, that it produces an atonic state of the Ulaus. The proof of this may be found in the vircumstance of the best effects having been produced by bloding in such cases. as an illustration I might give the appressed pulse, in which case is owing to the ter quat belame of the blood, impairing theuty the bital functions. on blood being abstracted their action is restored again altho there may be an incurred circulation, the blood may, be determined to other parts, by causes with which we are unacquarteles,

through II Besides to by the wa who object to do good

the know that in some instances, the blood which should have been thrown off by "telerus, is often descharged through the medium of the Momach, or by Enstaxis. Besides those cases which I have alluded to are not those of inversed , but of diminished circulation -Now in such cases the indications would be. 1st to Strengthen the system, and by that means increase the circulation - 2nd to produce a proper determination of blood to the literus - For fullfilling the first indication I would make use of remedies which would tend to strungthen and invignate the system, This pant gained, I would, in order to accomplish the second indication I would resort to the Eigst which by the writation and stimulus, would occupie a determination of blood to these parts.

Thus are present to the Right that its offices on to biansome to a grow. That its action are not continue for any quest length of time I am well aware.

Set & Hink the leterus, misore. Il with much era more and justly to

that I think if appear at a proper time and in a proper manner, it would have the offert of awakening the alterns, if I may be parather the of preferent to the proper action.

of the employment of the Edget in himme humore hagy. I know nothing; but from its action I would consider it as contently calculated for that purpose. It has also been used to restrain frootings with much sinciple. In the whole I am of opinion that we a home of them and if the Edget it will auque, and justly to, an inexasted separation.

Felia qui